

# Flexible, Flame Retardant General Purpose Polyolefin Heat Shrink Tubing

# multicomp<sup>PRO</sup>

RoHS  
Compliant



## Specifications:

Shrink Ratio	: 2:1
Operating Temperature	: -55°C to 135°C
Shrink Temperature	: 100°C
Standard Colours	: Black, Clear & Yellow
Flammability Rating	: VW-1
Approval category	: UL224 (600V, 125°C)
Standard	: CSA, LR228795 (600V, 125°C)
Approval bodies	: UL

## Specification Values:

Property	Test Method	Values
Tensile Strength	ISO 37	10 MPa minimum
Ultimate Elongation	ISO 37	250% minimum
Specific Gravity	ISO 1183	1.35 maximum
Heat Shock	ASTM D2671 (4hrs at 250°C)	no dripping, cracking or flowing
Heat Ageing Ultimate Elongation	ISO 188 (168hrs at 175°C) ISO 37	150% minimum
Low Temperature Flexibility	ASTM D2671 (4hrs at -55°C)	no cracking
Flammability (except Clear)	ASTM D876	pass
Electric Strength	IEC 243	20kV/mm minimum
Corrosion (Copper Contact and Copper Mirror)	ASTM D2671	no corrosion
Water Absorption	ISO 62	0.5 % maximum
Fluid Resistance Gasoline Hydraulic Fluid Lubricating Oil Tensile Strength Ultimate Elongation	ISO 1817   ISO 37	   7 MPa minimum 200% minimum
Fungus Resistance Tensile Strength Ultimate Elongation	ISO 846 ISO 37	10 MPa minimum 250% minimum

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**Specification Table:**

Material	Colour	Dielectric Strength (kV/mm)	Unshrunk Diameter (Min. Expanded Diameter - mm)	Fully Shrunk Diameter (Max. Recovered Diameter - mm)	Nominal Recovered Wall (mm)	Length (m)	Part Number
Polyolefin	Black	20	1.6	0.8	0.45	150	SP16/RL/BLACK
			3.2	1.6	0.5		SP32/RL/BLACK
			4.8	2.4			SP48/RL/BLACK
			6.4	3.2	0.65	75	SP64/RL/BLACK
			9.5	4.8			SP95/RL/BLACK
			12.7	6.4			SP127/RL/BLACK
			19	9.5	0.75	60	SP190/RL/BLACK
			1.6	0.8	0.45	1.2	SP16/1.2/BLACK
			2.4	1.2	0.5		SP24/1.2/BLACK
			3.2	1.6			SP32/1.2/BLACK
			4.8	2.4			SP48/1.2BLACK
			6.4	3.2	0.65	1.2	SP64/1.2BLACK
			9.5	4.8			SP95/1.2/BLACK
			12.7	6.4			SP127/1.2/BLACK
			19	9.5	0.75	SP190/1.2/BLACK	
			38.1	19.1	1	SP381/1.2/BLACK	
			50.8	25.4	1.15	SP508/1.2/BLACK	
			9.5	4.8	0.65	5	SP95/5/BLACK
	12.7	6.4	SP127/5/BLACK				
	25.4	12.7	SP254/5/BLACK				
	2.4	1.2	0.5	1.2	SP24/1.2/CLEAR		
	6.4	3.2	0.65		SP64/1.2/CLEAR		
	19	9.5	0.75		SP190/1.2/CLEAR		
	6.4	3.2	0.65	5	SP64/5/CLEAR		
	38.1	19.1			1	SP381/5/CLEAR	
	2.4	1.2	0.5	150	SP24/RL/CLEAR		
	3.2	1.6			SP32/RL/CLEAR		
	4.8	2.4			SP48/RL/CLEAR		
	9.5	4.8	0.65	75	SP95/RL/CLEAR		
	12.7	6.4			SP127/RL/CLEAR		
19	9.5	0.75			SP190/RL/CLEAR		
38.1	19.1	1	30	SP381/RL/CLEAR			

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Material	Colour	Dielectric Strength (kV/mm)	Unshrunk Diameter (Min. Expanded Diameter - mm)	Fully Shrunk Diameter (Max. Recovered Diameter - mm)	Nominal Recovered Wall (mm)	Length (m)	Part Number	
Polyolefin	Yellow	20	1.6	0.8	0.45	1.2	SP16/1.2/YELLOW	
			2.4	1.2	0.5		SP24/1.2/YELLOW	
			3.2	1.6			SP32/1.2/YELLOW	
			4.8	2.4			SP48/1.2/YELLOW	
			6.4	3.2	0.65		SP64/1.2/YELLOW	
			9.5	4.8			SP95/1.2/YELLOW	
			12.7	6.4			SP127/1.2/YELLOW	
			19	9.5	0.75		SP190/1.2/YELLOW	
			25.4	12.7	0.9		SP254/1.2/YELLOW	
			38.1	19.1	1		SP381/1.2/YELLOW	
			50.8	25.4	1.15		SP508/1.2/YELLOW	
			1.6	0.8	0.45		5	SP16/5/YELLOW

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